

ABSTRACT

The invention relates to an MDR family P-glycoprotein located on human chromosome 7p15-21, polynucleotide sequences encoding this P-glycoprotein and fragments thereof. This gene is utilized in methods for assessing cancer cell 5 susceptibility to therapies directed against multidrug resistance, and for the design of diagnostic and therapeutic methods relating to cancer multidrug resistance. The invention also relates to methods for determining whether a test compound may inhibit multidrug resistance.